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1   Session 4: Web service applications: Authenticating distributed data
XML signatures
Daniel J. Polivy, Roberto Tamassia
November 2002 **Proceedings of the 2002 ACM workshop on XML**
Full text available: 📄 pdf(164.09 KB)   Additional Information: full citation, index terms

> As the need for digital data becomes more ubiquitous, so does the need
> mechanisms for distributing and verifying the authenticity of that data.
> for authenticating responses to queries from untrusted mirrors of authe
> Web Services and XML Signatures. We also describe an implementation
> Secure Transaction Management System.
>
> **Keywords**: Web services, XML, authentication, digital signatures

2   Data mining aided signature discovery in network-based intrusion de
Hong Han, Xian Liang Lu, Jun Lu, Chen Bo, Ren Li Yong
October 2002 **ACM SIGOPS Operating Systems Review**, Volume 36
Full text available: 📄 pdf(467.17 KB)   Additional Information: full citation,

> In Network-based Intrusion Detection, signatures discovery is an impor(
> performance of an intrusion detection system heavily depends on accur(
> signatures. In most cases, we have to find these signatures manually. T

and error-prone work. Some papers introduce data mining into Intrusio‹ However, there are some drawbacks in these schemes. We present a d‹ to supporting signature discovery in netwo ...

Keywords: data mining, intrusion detection system, network-based int discovery

3 DB-4 (databases): similarity search: Localized signature table: fast ‹ transaction data

Qiang Jing, Rui Yang, Panos Kalnis, Anthony K. H. Tung

November 2004 **Proceedings of the Thirteenth ACM conference o knowledge management**

Full text available: pdf(200.77 KB) Additional Information: full citation, index terms

Recently, techniques for supporting efficient similarity search over huge emerged as an important research area. Several indexing schemes have this direction. Typically, these schemes provide a tradeoff between sear indexing overhead in terms of space.

In this paper, we propose a novel indexing scheme for similarity search on well-studied clustering techniques, we develop a construction algor .

Keywords: data mining, indexing, similarity search, transaction data

4 Second-order signature: a tool for specifying data models, query prc optimization

Ralf Hartmut Güting

June 1993 **ACM SIGMOD Record , Proceedings of the 1993 ACM S: conference on Management of data**, Volume 22 Issue 2

Full text available: pdf(1.38 MB) Additional Information: full citation, terms

Keywords: algebra, data model, extensibility, functional programming, polymorphism, query processing, signature, type system

5 Hancock: A language for analyzing transactional data streams

Corinna Cortes, Kathleen Fisher, Daryl Pregibon, Anne Rogers, Frederick S

March 2004 **ACM Transactions on Programming Languages and S**
Volume 26 Issue 2

Full text available: 🗎 pdf(217.55 KB) Additional Information: full citation, index terms

Massive transaction streams present a number of opportunities for data transactions in such streams might represent calls on a telephone netw(purchases, stock market trades, or HTTP requests to a web server. Whil have been collected for billing or security purposes, they are now being transactors, for example, credit-card numbers or IP addresses, use the the past 5 years, w ...

Keywords: Domain-specific languages, data mining, statistical models

6 Efficient similarity search for market basket data
Alexandros Nanopoulos, Yannis Manolopoulos

October 2002 **The VLDB Journal — The International Journal on V**
Volume 11 Issue 2

Full text available: 🗎 pdf(212.88 KB) Additional Information: full citation, terms

Several organizations have developed very large market basket databas customer transactions. New applications, e.g., Web recommendation sy: requirement for processing similarity queries in market basket database propose a novel scheme for similarity search queries in basket data. We representation method, which, in contrast to existing approaches, is pro results. New algorithms are proposed for the ...

Keywords: Data mining, Market basket data, Nearest-neighbor, Similai

7 Data types are values
James Donahue, Alan Demers

July 1985 **ACM Transactions on Programming Languages and Sysl**
Issue 3

Full text available: 🗎 pdf(1.55 MB) Additional Information: full citation, citings, inde:

An important goal of programming language research is to isolate the fu languages, those basic ideas that allow us to understand the relationshi features. This paper examines one of these underlying notions, that of c

attention to the treatment of generic or polymorphic procedures and sta

8   Hancock: a language for processing very large-scale data

Dan Bonachea, Kathleen Fisher, Anne Rogers, Frederick Smith

December 1999 **ACM SIGPLAN Notices , Proceedings of the 2nd c specific languages**, Volume 35 Issue 1

Full text available: pdf(861.82 KB)   Additional Information: full citation, citings, inde:

A signature is an evolving customer profile computed from call records. detect fraud and to target marketing. Code to compute signatures can b maintain because of the volume of data. We have designed and implem domain- specific programming language for describing signatures. Hanc abstraction mechanisms to manage the volume of data and control abst over records. This pap ...

9   A dynamic signature technique for multimedia databases

F. Rabitti, P. Zezula

December 1989 **Proceedings of the 13th annual international AC Research and development in information retrie**

Full text available: pdf(1.45 MB)   Additional Information: full citation, citings, inde:

A signature file acts as a filtering mechanism to reduce the amount of d searched during query evaluation. Even though several techniques for o signature files have been proposed in literature, they have serious limita multimedia databases, where integrated access methods to text and im, new signature technique, called Quick Filter, is proposed in the paper. A signature ...

10 Research sessions: data mining applications: Cost-based labeling o

Lei Chen, Zheng Huang, Raghu Ramakrishnan

June 2004 **Proceedings of the 2004 ACM SIGMOD international cc Management of data**

Full text available: pdf(351.21 KB)   Additional Information: full citation,

We make two main contributions in this paper. First, we motivate and ir data mining problems that arise in labeling a group of mass spectra, sp atmospheric aerosols, but with natural applications to market-basket da other recent work in which we introduced the problem of labeling a sing motivated by the advent of a new generation of Aerosol Time-of-Flight ‹

capable of generating ma ...

11 Indexing techniques for wireless data broadcast under data clusterir

Quinglong Hu, Wang-Chien Lee, Dik Lun Lee

November 1999 **Proceedings of the eighth international conferen knowledge management**

Full text available: 🖫 pdf(1.04 MB)   Additional Information: full citation, citings, inde:

This paper investigates power conserving indexing techniques for data c channel. A hybrid indexing method combining strengths of the signature techniques is presented. Different from previous studies, our research ti important data organization factors, namely, clustering and scheduling. signature and hybrid method ...

12 Dynamic partitioning of signature files

P. Zezula, F. Rabitti, P. Tiberio

October 1991 **ACM Transactions on Information Systems (TOIS),**

Full text available: 🖫 pdf(2.22 MB)   Additional Information: full citation, terms, reviei

13 Computer security (SEC): Protected transmission of biometric user ; oncard-matching

Ulrich Waldmann, Dirk Scheuermann, Claudia Eckert

March 2004 **Proceedings of the 2004 ACM symposium on Applied**

Full text available: 🖫 pdf(574.45 KB)   Additional Information: full citation,

Since fingerprint data are no secrets but of public nature, the verificatio smartcard for oncard-matching need protection by appropriate means ir origin in the biometric sensor and to prevent bypassing the sensor. For verification data to be transferred to the user smartcard is protected wit checksum that is calculated within a separate security module controllec card terminal with integrated bio ...

Keywords: authentication, biometrics, cryptographic protocols, data in signature, oncard-matching, smartcards, system security, tamper proof

14 A mathematical approach to nondeterminism in data types
Wim H. Hesselink

January 1988 ACM Transactions on Programming Languages and
Volume 10 Issue 1

Full text available: 📄 pdf(2.23 MB)   Additional Information: full citation, citings, inde:

The theory of abstract data types is generalized to the case of nondeter valuedfunctions). Since the nondeterminism of operations may be coupl extended so that operations can have results in Cartesian products. Inp to characterize implementation of one model by another. It is described arrows, which form a generalization of the term algebra. Morphisms of r introduced. Both i ...

15 Performance evaluation of a wireless hierarchical data disseminatio⟨
Qinglong Hu, Dik Lun Lee, Wang-Chien Lee

August 1999 Proceedings of the 5th annual ACM/IEEE internatior
computing and networking

Full text available: 📄 pdf(1.21 MB)   Additional Information: full citation, terms

16 Declustering of key-based partitioned signature files
Paolo Ciaccia, Paolo Tiberio, Pavel Zezula

September 1996 ACM Transactions on Database Systems (TODS)

Full text available: 📄 pdf(2.58 MB)   Additional Information: full citation, citings, inde:

Access methods based on signature files can largely benefit from possib environments. To this end, an effective declustering strategy that would a set of parallel independent disks has to be combined with a synergic c to avoid searching the whole signature file while executing a query. This parallel signature file organizations, Hamming Filter (HF
Keywords: error correcting codes, information retrieval, parallel indep⟨ queries, performance evaluation, superimposed coding

17 Workload analysis: Accurate, scalable in-network identification of p2 signatures
Subhabrata Sen, Oliver Spatscheck, Dongmei Wang

May 2004 Proceedings of the 13th international conference on W⟨

Full text available: 🖫 pdf(205.76 KB) Additional Information: full citation, citings, inde:

The ability to accurately identify the network traffic associated with diffe
important to a broad range of network operations including application-:
capacity planning, provisioning, service differentiation,etc. However, tra
level application mapping techniques such as default server TCP or UDP
baseddisambiguation is highly inaccurate for some P2P applications.In tl
efficient approac ...

Keywords: application-level signatures, online application classification

18 On Compacting Test Response Data Containing Unknown Values

Chen Wang, Sudhakar M. Reddy, Irith Pomeranz, Janusz Rajski, Jerzy Tys:

November 2003 **Proceedings of the 2003 IEEE/ACM internationa!**
Computer-aided design

Full text available: 🖫 pdf(180.56 KB) Additional Information: full citation,

The design of a test response compactor called a Block Compactoris giv·
belong to a new class of compactorscalled Finite Memory Compactors. C
spacecompactors, finite memory compactors contain memory elements.
compactors, finite memory compactors havefinite impulse response. Th·
memorycompactors the ability to achieve higher compaction ratios than
be able to tolerate unknown values intest responses. ...

19 Research sessions: potpourri: Mining database structure; or, how to
browser

Tamraparni Dasu, Theodore Johnson, S. Muthukrishnan, Vladislav Shkape·

June 2002 **Proceedings of the 2002 ACM SIGMOD international cc**
Management of data

Full text available: 🖫 pdf(1.21 MB) Additional Information: full citation, citings, inde:

Data mining research typically assumes that the data to be analyzed ha
cleaned, and processed into a convenient form. While data mining tools
of the analyst to make data-driven discoveries, most of the time spent i
spent in data identification, gathering, cleaning and processing the data
mapping tools have been developed to help automate the task of using
sources for a n ...

20 Accessing data cubes along complex dimensions

Yuping Yang, Mukesh Singhal

November 1999 **Proceedings of the 2nd ACM international works warehousing and OLAP**

Full text available: pdf(658.97 Additional Information: full citation, KB) index terms

In a data warehouse, data cubes are accessed through their dimensions numerical, because numerical data can be clustered or sorted, fast acce search or B+ trees can be applied. However, complex attributes such as contents are not easily sorted or clustered. Although it is highly desirabl searched through their sets of keywords.Signature index is known for it: comple ...
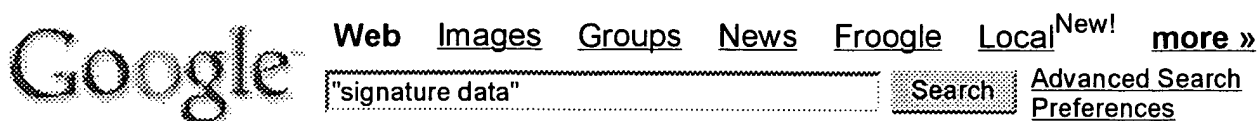
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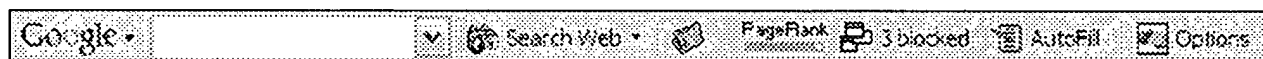## Planet PDF Forum Archive - **Signature data**
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